

Appendix table 1-5

Ninth-graders proficient in various algebra skill areas, by selected student and school characteristics: 2009

(Percent)

Student and school characteristic	Proficiency level ^a				
	1—Algebraic expressions	2—Multiplicative and proportional thinking	3—Algebraic equivalent	4—Systems of equations	5—Linear functions
All ninth-graders	85.7	59.1	41.3	18.3	9.2
Sex					
Male	84.5	58.9	41.6	18.7	9.4
Female	86.8	59.4	41.0	17.9	8.9
Race/ethnicity					
White, non-Hispanic	89.7	65.7	47.5	21.3	10.2
Black, non-Hispanic	74.4	41.3	25.5	10.4	6.3
Hispanic	82.4	52.1	33.7	13.6	7.2
Asian	94.8	81.0	67.5	39.9	19.5
All other races ^b	83.9	56.4	38.4	16.1	8.4
Parents' highest education					
Less than high school	80.1	46.5	26.8	9.6	6.0
High school diploma or GED	82.7	52.8	34.8	14.3	7.5
Associate's degree	87.7	59.0	39.7	16.3	8.2
Bachelor's degree	93.0	74.1	56.9	27.1	12.2
Master's degree or higher	95.8	80.6	65.7	34.9	16.4
School type					
Public	85.0	57.9	40.1	17.6	8.9
Private	94.6	75.1	57.2	26.6	11.8

GED = General Educational Development

^aSkill areas are arranged in a hierarchy such that proficiency in a given area assumes proficiency in all lower areas.^bAll other races includes American Indian or Alaska Native, Native Hawaiian or other Pacific Islander, and two or more races.SOURCE: Ingels SJ, Dalton B, Holder TE, Lauff E, Burns, LJ, *High School Longitudinal Study of 2009 (HSL:09): A First Look at Fall 2009 Ninth-Graders*, Washington, DC: National Center for Education Statistics, NCES 2011-327 (2011).*Science and Engineering Indicators 2012*